

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Sangram S. SISODIA

Chunjiang YU

Serial No.: 10/573,307

Filed: March 24, 2006

For: MEMBRANE PREPARATION FROM
PICHIA PASTORIS TO ASSAY γ -
SECRETASE ACTIVITY

Group Art Unit: 3629

Examiner: Unknown

Atty. Dkt. No.: ARCD:398USC1

Confirmation No.: 6858

CERTIFICATE OF ELECTRONIC TRANSMISSION

I hereby certify that this correspondence is being electronically filed with the United States Patent and Trademark Office via EFS-Web on the date below:

June 25, 2007

Date

Steven L. Highlander

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

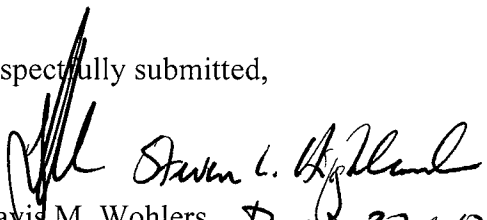
In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 be considered by the Examiner and made of record. Copies of the listed documents required by 37 C.F.R. § 1.98(a)(2) are enclosed for the convenience of the Examiner.

In accordance with 37 C.F.R. §§ 1.97(g), (h), this Information Disclosure Statement is not to be construed as a representation that a search has been made, and is not to be construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

The present Information Disclosure Statement is being filed prior to the receipt of a first Official Action reflecting an examination on the merits, and hence is believed to be timely filed in accordance with 37 C.F.R. § 1.97(b). No fees are believed to be due in connection with the filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these materials, the Commissioner is authorized to deduct the appropriate fees from Fulbright & Jaworski Deposit Account No.: 50-1212/ARCD:398USC1.

Applicants respectfully request that the listed documents be made of record in the present case.

Respectfully submitted,


for Travis M. Wohlers Reg. No. 57,423 *Reg No 37612*
Attorney for Applicants

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Date: June 25, 2007

Form PTO-1449 (modified)		Atty. Docket No.: ARCD:398USC1	Serial No.: 10/573,307
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Applicant: Sangram S. SISODIA Chunjiang YU	
		Filing Date: March 24, 2006	Group: 3629
U.S. Patent Documents <i>See Page 1</i>	Foreign Patent Documents <i>See Page 1</i>	Other Art <i>See Page 1</i>	

U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
	A1	3,817,837	06/18/74	Rubenstein and Ullman	435	7.9	11/06/72
	A2	3,850,752	11/26/74	Schuurs <i>et al.</i>	435	7.93	10/29/71
	A3	3,939,350	02/17/76	Kronick <i>et al.</i>	250	365	04/29/74
	A4	3,996,345	12/07/76	Ullman <i>et al.</i>	436	537	06/30/75
	A5	4,275,149	06/23/81	Litman <i>et al.</i>	435	7.91	11/24/78
	A6	4,277,437	07/07/81	Maggio	422	61	12/10/79
	A7	4,366,241	12/28/82	Tom <i>et al.</i>	435	7.91	08/07/80

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Language
	B1	WO 84/03564	09/13/84	WIPO	English
	B2	WO 01/16355	03/08/01	WIPO	German (English abstract)
	B3	WO 98/15828	04/16/98	WIPO	English

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C1	Borchelt <i>et al.</i> , "A vector for expressing foreign genes in the brains and hearts of transgenic mice," <i>Genet Anal.</i> , 13:159-163, 1996.
	C2	Borchelt <i>et al.</i> , "Accelerated amyloid deposition in the brains of transgenic mice coexpressing mutant presenilin 1 and amyloid precursor proteins," <i>Neuron</i> , 19:939-945, 1997.
	C3	Borchelt <i>et al.</i> , "Familial Alzheimer's disease-linked presenilin 1 variants elevate A β 1-42/1-40 ratio in vitro and in vivo," <i>Neuron</i> , 17:1005-1013, 1996.
	C4	De Strooper <i>et al.</i> , "Deficiency of presenilin-1 inhibits the normal cleavage of amyloid precursor protein," <i>Nature</i> , 391, 387-390, 1998.

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EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

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Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C5	Duff <i>et al.</i> , "Increased amyloid- β 42(43) in brains of mice expressing mutant presenilin 1," <i>Nature</i> , 383:710-713, 1996.
	C6	Edbauer <i>et al.</i> , "Reconstitution of gamma-secretase activity," <i>Nature Cell Biology</i> , 5:486-488, 2003.
	C7	Evin <i>et al.</i> , "Presenilin 1 expression in yeast lowers secretion of the amyloid precursor protein," <i>Neuroreport</i> , 11:405-408, 2000.
	C8	Gravina <i>et al.</i> , "Amyloid β protein (A β) in Alzheimer's disease brain," <i>J. Biol. Chem.</i> , 270:7013-7016, 1995.
	C9	Holcomb <i>et al.</i> , "Accelerated Alzheimer-type phenotype in transgenic mice carrying both mutant amyloid precursor protein and presenilin 1 transgenes," <i>Nature Med.</i> , 4:97-100, 1998.
	C10	Iwatsubo <i>et al.</i> , "Visualization of A β 42(43) and A β 40 in senile plaques with end-specific A β monoclonals: evidence that an initially deposited species is A β 42(43)," <i>Neuron</i> , 13:45-53, 1994.
	C11	Jarrett <i>et al.</i> , "The c-terminus of the β protein is critical in amyloidogenesis," <i>Ann. NY Acad. Sci.</i> , 695:144-148, 1993.
	C12	Li <i>et al.</i> , "Photoactivated γ -secretase inhibitors directed to the active site covalently label presenilin 1," <i>Nature</i> , 405:689-694, 2000.
	C13	Nakamura <i>et al.</i> , In: <i>Handbook of Experimental Immunology</i> (4 th Ed.), Weir <i>et al.</i> , (eds). 27.1-27.20, Blackwell Scientific Publ., Oxford, 1987.
	C14	Naruse <i>et al.</i> , "Effects of PS1 deficiency on membrane protein trafficking in neurons," <i>Neuron</i> , 21:1213-1221, 1998.
	C15	Remington's Pharmaceutical Sciences, 18 th Ed. Mack Printing Company, 1389-1404, 1990.
	C16	Scheuner <i>et al.</i> , "Secreted amyloid β -protein similar to that in the senile plaques of Alzheimer's disease is increased <i>in vivo</i> by the presenilin 1 and 2 and APP mutations linked to familial Alzheimer's disease," <i>Nature Med.</i> , 2, 864-870.
	C17	Sears <i>et al.</i> , "A versatile set of vectors for constitutive and regulated gene expression in <i>Pichia pastoris</i> ," <i>Yeast</i> , 14:783-790, 1998.
	C18	Sisodia <i>et al.</i> , "Neurogenetics '99: function and dysfunction of the presenilins," <i>Am. J. Hum. Genet.</i> , 65:7-12, 1999.

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Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C19	Tomita <i>et al.</i> , "The presenilin 2 mutation (N141I) linked to familial Alzheimer disease (Volga German families) increases the secretion of amyloid beta protein ending at the 42 nd (or 43 rd) residue," <i>Proc. Natl. Acad. Sci. USA</i> , 94:2025-2030, 1997.
	C20	Wolfe <i>et al.</i> , "Two transmembrane aspartates in presenilin-1 required for presenilin endoproteolysis and γ -secretase activity," <i>Nature</i> , 398:513-517, 1999.

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